

BID SOLICITATION NOTICE

TO RECEIVE A BID PACKAGE, BIDDERS MAY EITHER DOWNLOAD THE REQUEST FOR BIDS ("RFB") FROM THE AUTHORITY'S WEBSITE AT <http://www.state.nj.us/turnpike/purchasing.html> OR REQUEST A BID BY COMPLETING THIS FORM AND FAXING IT TO THE NUMBER STATED BELOW. FOR RECORD KEEPING PURPOSES, THE AUTHORITY REQUESTS THAT THE BIDDER COMPLETE THIS FORM AND RETURN IT TO THE PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT, EVEN WHEN A BIDDER IS DOWNLOADING THE RFB. THIS IS THE ONLY NOTICE OF BIDDING FOR THE FOLLOWING GOODS.

THE NEW JERSEY TURNPIKE AUTHORITY PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT

New Jersey Turnpike Administrative Offices
P.O. Box 5042, 581 Main Street
Woodbridge, New Jersey 07095-5042
Tel. - 732-750-5300 Ext. 8640 Fax - 732-750-5399

TITLE: **RACK BODY TRUCKS AND ACCESSORIES**
BID NO: **R-107716**
DUE DATE: **MAY 8, 2014**
TIME: **11:30 AM**

SUBMIT BIDS BEFORE THE DUE DATE AND TIME STATED ABOVE TO THE ABOVE ADDRESS

BIDDER INFORMATION (PLEASE PRINT)

NAME OF BIDDING ENTITY

ADDRESS

CITY, STATE AND ZIP CODE

E-MAIL ADDRESS

REPRESENTATIVE TO CONTACT-NAME & TITLE

TELEPHONE NO

FEDERAL TAX I.D. NO. or TAXPAYER I.D. NO

FAX NO

☐

WE HAVE DOWNLOADED THE BID FROM THE AUTHORITY WEBSITE

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PROCUREMENT AND MATERIALS MANAGEMENT DEPARTMENT

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FAX NO

____ BUSINESS CORPORATION ____ PARTNERSHIP ____ INDIVIDUAL

____ OTHER (SPECIFY) _____

SECTION I

A. INTRODUCTION

The New Jersey Turnpike Authority (the “Authority”) was created by an act of the New Jersey Legislature in 1948, known as the New Jersey Turnpike Authority Act (as amended and supplemented, “Act”). The Act authorizes the Authority to construct, maintain, repair, and operate the New Jersey Turnpike, to collect tolls, and to issue Turnpike Revenue Bonds or Notes, subject to the approval of the Governor, payable from tolls and other revenues of the Authority. On May 27, 2003, the Act was amended to empower the Turnpike to assume all powers, rights, obligations and duties of the New Jersey Highway Authority (the “Highway Authority”), which owned and operated the Garden State Parkway and PNC Bank Arts Center. On July 9, 2003, the Authority assumed all powers, rights, obligations and duties of the Highway Authority. The Authority currently operates both the Garden State Parkway (“GSP”) and the New Jersey Turnpike (“Turnpike”) (both roads are collectively referred to herein as the “Roadways”).

The Authority is governed by an eight member Board of Commissioners (“Board”). The Governor of New Jersey appoints each of its members and has the statutory authority to overturn an action of the Board by vetoing any Board action within 10 days of receiving the minutes of the meeting. The Board authorizes awards of all public contracts over \$35,000, except in cases where it has delegated authority to the Executive Director.

This bid solicitation is being conducted pursuant to the Authority’s enabling statute as found in N.J.S.A. 27.23-6.1 and Executive Order number 37 (Corzine 2006) and the regulations and policies of the Authority with regard to public bid procurement.

B. BIDDER GUIDELINES/CHECKLIST

BIDS THAT FAIL TO CONFORM TO THE FOLLOWING REQUIREMENTS MAY BE REJECTED:

1. The Request for Bids ("RFB"), including specifications and related bid documents ("Bids") must be received at or before the due date and time stated on the cover page at the following place: New Jersey Turnpike Authority, Administration Building, 581 Main Street, Woodbridge, New Jersey 07095. Late Bids will be returned unopened. Telephone or facsimile Bids will not be accepted.
2. The entity submitting a Bid ("Bidder") must provide one original and one copy of the Bid. The Bid must include all price information. Bid prices shall include delivery of all items F.O.B. destination or as otherwise provided. Price quotes must be firm through issuance of contract.
3. All Bid prices must be typed or written in ink. Quote the specified unit of measure. If bidding an alternate, provide detailed specifications.
4. All corrections, white-outs, erasures, re-striking of type, or other forms of alteration or the appearance of alteration, to unit and/or total prices must be initialed in ink by the Bidder.
5. The Bidder must attend the mandatory site inspection at the following date(s) and time(s) if applicable:
6. If checked this RFB requires the following mandatory document(s) or the Bid **will** be rejected:
 - (a) Bid Bond or Cashier's Check for 10% of the amount Bid or a Letter of Surety ☒
 - (b) Stockholder/Partnership Disclosure Statement ☒
7. See the Authority's Instruction to Bidders for a complete list of the Authority's standard contract Terms and Conditions, as well as required forms that must be included with the Bid (**ATTACHED**).

The following checked documents are required for this Bid. Failure to submit the required forms may result in the rejection of the Bid.

- (a) State of New Jersey Division of Revenue Business Registration Certificate ☒
 - (b) Certification of Registration with the Secretary of State (only if non-NJ corporation) ☒
 - (c) Acknowledgement of requirement for Disclosure of Political Contributions (ELEC) ☒
 - (d) Public Works Contractor Registration Certificate(s) (if applicable) ☐
 - (e) Affirmative Action Information Sheet with Certificate or Form AA302 ☒
 - (f) Signed Mandatory Equal Employment Opportunity Language ☒
 - (g) SBE/WBE/MBE Certificates and Form ☒
 - (h) Vendor Disclosure Form (EO129-Location of Services) ☒
 - (i) Notice of Set-Off for State Tax (P.L. 1999, c 159) ☒
 - (j) Automobile Insurance Liability Waiver ☐
 - (k) Insurance Certificate ☒
 - (l) Disclosure of Investment in Iran ☒
8. Bidder must sign Bid ☒
 9. Three year Open Option Clause ☒

SECTION II

A. INTENTION

1. Sealed Bids for **R-107716** must be received at the New Jersey Turnpike Authority Administrative Offices, 581 Main Street, Woodbridge, New Jersey 07095-5042, by the due date and time stated on the cover page of this “RFB” at which time and place said Bid will be opened and read in public.
2. Bidders mailing Bids should allow for their normal mail delivery time to ensure timely receipt of the Public Bids. **Please be advised that using an overnight/next-day delivery service does not guarantee overnight/next-day deliveries to our location. The Authority will not be responsible for any Bid not being received by the required date and time.**
3. It is the intention of the Authority to issue a purchase order or notice of award for a price agreement for the procurement of **18’5” Rack Body Trucks and Accessories.**
4. Items purchased under this contract will be delivered as directed by the Authority.
5. The term of the contract shall be for “one year with the option to extend for two additional one-year terms at the Authority’s discretion and the vendor’s concurrence”.
6. Please contact Richard Bava with any questions regarding this procurement contract at 732-750-5300 x-8636, or rbava@turnpike.state.nj.us.

B. BID SHEET INSTRUCTIONS

1. Bidders must follow all instructions in this RFB and in the Instructions to Bidders issued by the Authority, and any other documents issued by the Authority in connection with this RFB (collectively, “Bid Documents”).
2. Bidders must examine the bid documents carefully before bidding and must ask the Director of Procurement and Materials Management Department (“PMM”) in writing for any interpretation or correction of any apparent ambiguity, inconsistency or apparent error therein. If necessary, an interpretation or correction to the specifications shall be issued by the Director of PMM in response to inquiries and/or addendum shall be faxed to Bidders who have obtained the Bid Documents. Upon the issuing of an addendum, the addendum shall become part of the bid documents. **Requests for interpretation or correction shall be considered only if received at least 5 business days prior to the Bid opening date.**
3. Written requests can be submitted by FAX at 732-750-5399.
4. The submission of the Bid is conclusive evidence that the Bidder is fully aware of the conditions, requirements, and details as stated in the Bid Documents. If the Bidder, prior to submitting its Bid, fails to notify the Director of PMM of the existence of an

ambiguity or inconsistency in the Bid Documents, a Bid will conclusively be presumed to have been based upon the Authority's interpretation of such ambiguity or inconsistency.

5. All erasures, interpolations or other physical changes on the Bid form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasure's, alterations, or items not called for in this "RFB" or irregularities of any kind, may be rejected by the Authority, in its sole discretion.

The Bidder shall not attach conditions, limitations or provisos to their Bid, except in cases where "exceptions" are permitted.

6. **The Authority will accept Approved Equivalent items on this Bid.** If a Bidder is basing the proposal on items other than what is specified, and wishes the items proposed to be considered as an "Approved Equivalent", the Bidder shall enter a price on the Bid sheet then submit on the Exception Sheet in the exact format of the line item on the RFB contained herein, the item number, an item description including manufacturers name, model number, informational brochure(s), and packaging quantities of those items that the Bidder proposes to substitute.

C. BASIS OF AWARD

1. **Bidders must supply a price for every item listed. Bids not having a price for all listed items may be rejected.**
2. **Bidders must quote only one price per line item. If a Bidder quotes multiple prices per line item, the Bid may be rejected.**
3. The Authority will purchase amounts of any given item as needed, at the sole discretion of the Authority and shall not be bound by any quantities listed. The Authority reserves the right to make reasonable increases or decreases to line item quantities.
4. All items are to be Bid FOB Destination. All shipping, handling, and other costs should be considered in the Bid price.
5. The Authority is tax exempt from New Jersey Sales and Excise Tax.
6. Award will be made to the lowest responsive Bidder for the total line items Bid.

D. MISCELLANEOUS

1. Delivery Date _____
(Insert if applicable)

2. Payment Terms: The Authority's standard payment terms are Net 30 days. Prompt payment discounts may be offered and must be a minimum of 10 days.

Discount: Maximum time period: _____ Percentage: _____

Note: Although prompt payment discounts will not be considered in determining low Bid, the Authority reserves the right to take advantage of any such discounts offered.

BID QUOTATION SHEET

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL DOLLAR AMOUNT
1	3	EA	18'5" RACK BODY TRUCKS AND ACCESSORIES, AS PER ATTACHED SPECIFICATIONS	\$	\$

ANY INQUIRIES CONCERNING THIS BID MUST BE SENT VIA FAX TO 732-750-5399
NO LATER THAN FIVE (5) BUSINESS DAYS BEFORE BID OPENING

NEW JERSEY TURNPIKE AUTHORITY

Andrea E. Ward
Director, PMM Department

_____/_____
Name of Company / Authorized Signature of Bidder

E. SIGNATURE PAGE

1. **ADDENDA / INQUIRIES:** COMPLETE (if applicable) BEFORE SUBMITTING BID:

Receipt of Addendum/Inquiries # _____ dated _____ is hereby acknowledged.

Receipt of Addendum/Inquiries # _____ dated _____ is hereby acknowledged.

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CHECK BOX IF NO ADDENDA/INQUIRY ISSUED

(All Addenda / Inquiries must be acknowledged as indicated above.)

2. **BID IRREVOCABLE:** This offer shall be irrevocable for ninety (90) working days after the date on which the Authority publicly opens this Bid except in those instances where an unsuccessful Bidder has filed a bid protest pursuant to N.J.A.C. 19:9-2.12. Upon notification of a protest, Bidders are required to hold their prices for an additional 90 days. All Bidders will be notified in writing of the action taken by the Authority.
3. **OFFER/CERTIFICATION:** The undersigned offers and agrees to furnish to the New Jersey Turnpike Authority the services and/or materials in compliance with all terms, conditions, specifications and addenda of the RFB, Bid Documents, and resulting contract. The undersigned further certifies understanding and compliance with the requirements of the standard terms and conditions as stated in the Instructions to Bidders included with the Bid Documents. The undersigned certifies that he or she executes this Bid with full authority so to do; and that all statements contained in this Bid and in this certification are true and correct, and made with full knowledge that the Authority relies upon the truth of the statements contained herein and in any statements requested by the Authority showing evidence of qualifications in awarding the contract.

I certify that the foregoing statements made by me are true. I am aware that if any of the foregoing statements made by me are willfully false, I am subject to punishment.

4. **AUTHORIZED SIGNATURE:** _____

Print Name and Title: _____

Bidder: _____

Address: _____

City _____ State _____ Zip: _____

E-mail address: _____

Telephone #: _____ Fax #: _____

Date: _____

SECTION III

NO RESPONSE BID SURVEY

BID REQUISITION NUMBER: R-107716

BID TITLE: 18'5" RACK BODY TRUCKS AND ACCESSORIES

If you do not choose to respond to this Bid, please complete the form below:

Name of Company_____

Reason you did not respond (Check all that apply):

_____ Cannot supply product or service

_____ Cannot meet technical specifications

_____ Cannot meet delivery specifications

_____ Cannot meet legal requirements
(i.e. Bid/performance/security/insurance, etc.)

_____ Cannot provide a competitive price at this time

_____ Interested in receiving specifications for informational purposes only

_____ Insufficient lead time to respond

_____ Other:(please be specific) _____

_____ Do you wish to remain on our mailing list?

_____ Yes _____ No

Additional comments: _____

Signed (optional): _____

Company: _____

ADDITIONAL YEARS PURCHASING OPTION, for R-107716

BID TITLE – 18’5” RACK BODY TRUCKS AND ACCESSORIES

3 - Year Open End Option: The Authority shall have the option for one (1) Model Year* from the date of Contract, to order additional units conforming to the requirements of these specifications at the same price and under the same terms and conditions as those contained herein.

The Authority shall further have the option to purchase additional units conforming to these specifications for two (2) additional Model Years. Any unit(s) offered during the two (2) subsequent Model Years shall be of the model equivalent to that specified herein. In the latter instances, if there have been any price changes, the vendor shall submit a request to the Authority covering the aforesaid price changes, and shall include appropriate explanation and justification for any such price changes.

Any such request for price adjustment shall be in writing and directed to the Director, Procurement and Materials Management Department and shall be accompanied by the following evidence as a basis for your request;

1. The published price lists for equipment, which were in effect at the time of your original proposal.
2. The equivalent published price lists in effect at the time of your request.
3. Any additional evidence which the Authority deems necessary in the evaluation of your request.

The Authority shall, within its sole discretion, have the right to accept the price changes proposed by the vendor or if it so desires, re-bid the requirement.

*Model Year is defined as the Model Year of the Manufacturer of the unit(s) offered by you in this Request For Quotation. In that instance where proposals are for equipment for which “Model Year” and “Production Cut-Off Dates” are undefined or non-existent, the “Model Year” is defined, for bid purposes, as one calendar year from the date on which the Contract is accepted. The last date on which orders may be placed for the Model currently in effect is_____.

NEW JERSEY TURNPIKE AUTHORITY

GENERAL INSTRUCTIONS AND SPECIFICATIONS FOR: 40,000 LBS. GVWR CAB & CHASSIS WITH 18'5" RACK BODY AND ACCESSORIES

Quantity	Description	Maximum Delivery Date
3	40,000 lbs. GVWR Conventional Cab & Chassis Equipped with 18'5" Rack Body And Accessories	180 Days After Receipt of Order

SPECIFICATIONS:

CC-2014 CAB CHASSIS

RB-2014 RACK BODY

LBS-2014 LIGHTBAR STANCHION

RL-2014 ROTATOR LIGHTS

7PTC: 7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

FMJB: FRAME MOUNTED JUNCTION BOX

R-RMMB: REMOVABLE-REAR MOUNTED MAN BASKET

RAWLP: REAR AMBER WARNING LIGHT POSTS

COMPLIANCE WITH RULES AND REGULATIONS: The unit and associated equipment furnished must comply with all Federal and State Motor Vehicle Safety Laws and Regulations and shall be capable of passing the New Jersey State Motor Vehicle Inspection Laws, where applicable.

ENERGY STAR REQUIREMENTS: If applicable for items specified in bid package, the vendor must provide products that earn ENERGY STAR and meet the ENERGY STAR specifications for energy efficiency. The vendor is encouraged to visit energystar.gov for complete product specifications and updated lists of qualifying products. The ENERGY STAR label must also be affixed to each delivered item. The bidder's signature on the signature page certifies that items so indicated that have earned ENERGY STAR and meet the ENERGY STAR specifications or other standards for energy efficiency will be supplied.

ERRORS AND OMISSIONS: Inadvertent omissions or errors in the attached specifications must be brought to the attention of the New Jersey Turnpike Authority's Director of Procurement and Materials Management at 732-750-5300 before bid submission date. If, with knowledge of such error or omission and prior to the correction thereof, the bidder proceeds with any work affected hereby, they shall do so at their own risk and the work so done shall not be considered as work done under and in performance of this Agreement unless and until approved and accepted.

PILOT MODEL: Questions, which arise before or during the preparation of the pilot model, shall be addressed in writing via e-mail from the vendor to Peter Perperas (Project Supervisor), perperas@turnpike.state.nj.us at the New Jersey Turnpike Authority on a not to delay basis. The awarded bidder shall make available one **fully completed** pilot model for inspection and approval by the Authority. The unit shall be transported (responsibility of the awarded vendor) to the NJTA Garden State Parkway Division's Telegraph Hill Maintenance Facility located at Garden State Parkway Exit 116 in Holmdel, NJ 07733.

DELIVERY INSTRUCTIONS: Vendor must contact Peter Perperas (Project Supervisor) at 732-442-8600 ext. 2868 for authorization to schedule date and time prior to delivery. All units must be pre-delivery serviced, completely assembled, operational, and cleaned prior to delivery. **Deliveries shall be made to the NJTA Garden State Parkway Division Telegraph Hill Central Maintenance Facility located at GSP Exit 116 in Holmdel, NJ 07733.**

- A. Vendor shall be responsible for all delivery, shipping and pick-up expenses.
- B. The following administrative package **must** accompany all deliveries:
 - Certificate of Origin: stamped "Sales Tax Satisfied" and shall be made out to New Jersey Turnpike Authority, 581 Main St. Woodbridge, NJ 07095. Certificate of Origin shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - Invoice: purchase order number must be displayed on vendors invoice. Invoice shall have current date and be hand delivered to Peter Perperas after final acceptance of complete order.
 - Warranty forms properly executed.
 - Four (4) keys for each vehicle shall be furnished (each vehicle shall have an independent key code). Successful bidder must supply a key code listing for each vehicle identification number. **NO EXCEPTIONS**
 - Four (4) keys, keyed alike for toolboxes or similar compartments shall be furnished for each vehicle. **NO EXCEPTIONS**
 - State MVC (Motor Vehicle Commission) required inspection stickers shall be provided with each vehicle upon delivery.
 - A 30 day temporary registration tag shall be applied to each vehicle.
 - Federal Safety Inspections shall be performed and stickers shall be attached to the vehicles prior to delivery.
- C. All units shall be delivered with a minimum of a half tank of fuel.

WARRANTY: All units delivered must be guaranteed to be free from defects in materials, design and workmanship for a minimum of one (1) year (see additional warranty coverage's in specification) from the time of acceptance by the New Jersey Turnpike Authority. All warranties shall start upon written acceptance of units by the New Jersey Turnpike Authority. Warranty must include service availability from any manufacturers authorized dealer establishment most closely located to Parkway and Turnpike area. This repair facility may not be further than 100 miles from Telegraph Hill Central Maintenance Facility in Holmdel, NJ 07733 or Central Shops Maintenance Facility located in Hightstown, NJ 08520. If warranty service is required, the vendor who supplied the unit shall provide for pickup, delivery and repair of unit at no charge to the New Jersey Turnpike Authority. The vendor shall also have a program to include an in-house warranty. All warranty periods shall start from date of acceptance of unit by the New Jersey Turnpike Authority.

EXCEPTION SHEET: Exception sheet is furnished with each set of specifications. Bidders making exceptions must note exceptions by item and indicate substitution in lieu and submit with bid, detailed specifications on the substitution. If the vendor is submitting an alternate product, component, feature or part to what is referenced in the specifications, the proposals **must** be accompanied by descriptive literature, marked and indicate the exact items to be furnished, with an engineering drawing of the same. **Failure to supply information requested may result in rejection of bid.** Where no exception is taken, the word "None" shall be neatly printed or typed on the exception sheet. **Failure to supply information and/or failure to complete the bidder's exception spaces in the prescribed manner may disqualify bid. It shall be understood that if no exception is taken, the vendor shall supply all material exactly as specified. No substitution will be permitted after receipt of bids.**

SERVICE PARTS IDENTIFICATION FORM: Vendor shall complete the entire Service Parts Identification Form, where applicable for chassis section. Replacement parts shall be available to the general using trade, parts shall not be proprietarily manufacturer protected. **Failure to complete form may result in rejection of bid.**

UNIT INFORMATION FORM: Vendor shall complete the entire Unit Information Form. **Failure to complete form may result in rejection of bid.**

MANUFACTURER'S PRODUCTION SHEET: The vendor shall furnish one (1) copy of the actual Factory Production Sheet for each unit provided. The copies of the Factory Production Sheet shall be submitted at the time of the Authority's inspection of the unit.

TRAINING: It shall be the responsibility of the successful bidder to supply all safety, operational and service training to New Jersey Turnpike Authority personnel in accordance with all applicable ANSI and OSHA regulations. The safety and operational training shall consist of a complete review and understanding of the manufacturer's owner manual, along with actual operation of equipment. The instructor shall emphasize all proper uses for safe operation. The training shall include but not limited to all general troubleshooting of the hydraulic system and associated electronics. The instructor shall also emphasize the proper use of tools and test equipment along with general shop safety. The service seminars shall be similar to factory and

manufacture type schools. The training shall be scheduled and take place at one (1) site with a minimum of four (4) hours training at the site designated by the New Jersey Turnpike Authority.

LABELS: Plastic stick-on labels shall not be acceptable.

ADVERTISEMENTS: No Dealer advertisements shall appear on unit or any other related equipment.

ACCESSORIES: All accessories shall be manufacturer installed when the item is available from the manufacturer.

FACILITIES: Bidders shall represent a manufacturer, which has in operation a factory adequate for the manufacture of the equipment, which it proposes to furnish. The manufacture(s) whose associated equipment or products are bid shall have a full service warranty and parts supply facility that can guarantee availability of parts within 24 hours after telephone order and shall be located within a 100 mile radius of either Central Shops Maintenance Facility (exit 8 on the NJ Turnpike) located in Hightstown, NJ 08520 or Telegraph Hill Central Maintenance Facility (exit 116 on the GSP) located in Holmdel, NJ 07733. This facility will be required to establish an in-house warranty program and provide all warranty work related to the equipment in the bid proposal. The bidder shall submit the locations, names and telephone numbers of people who are authorized to service the equipment or who can be reached for emergency service.

Location_____

Phone #_____

Contact_____

Name & Title

**SPECIFICATIONS: CC-2014
CAB CHASSIS**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

GENERAL:	COMPLY	
	YES	NO
A. 2014 or new current model International 7400 or approved equivalent SBA (Set Back Axle) 4 x 2, 6-wheel configuration.		
FRAME:		
A. 10.125" x 3.580" x 0.312" 120,000 psi minimum main frame rails, one piece.		
B. 10.813" x 3.892" x 0.312" full "C" channel reinforcement, one piece extending the entire length of main frame.		
C. 3,580,800 RBM (Resisting Bending Movement) minimum.		
D. Huck fasteners shall be used for all cross members, fuel tank, and battery box brackets.		
E. Full width aerodynamic front bumper painted gloss black with two tow hook openings through the bumper.		
F. Bolt-on or welded frame sections shall not be acceptable.		
G. Bolt-on front tow hooks with opening through the bumper. One right and one left, within easy access to afford quick operator hook up of tow chain. Hooks shall be of drop forged steel with a minimum of 44,500 lbs. working load. Grade 8 bolts shall be used to attach hook to chassis. Each hook shall be curved upward to assure tow chain will not fall off when no tension is present. Welded on hooks shall not be acceptable.		
H. Electro-statically painted frame rails. Written certification is required.		
I. The wheelbase shall be 217", cab to axle shall be 150" and AF shall be as required for body.		
J. 40,000 lbs. GVWR.		
K. The Authority reserves the right to determine final CA and AF dimension at issuance of Purchase Order.		

FRONT AXLE:		
A. 14,000 lbs. capacity front axle.		
B. Greaseable drag link and tie rods.		
FRONT SUSPENSION:		
A. 14,000 lbs. capacity front suspension.		
B. Parabolic taper-leaf front springs with shock absorbers.		
C. Spring pins shall be rubber bushed and maintenance free.		
REAR AXLE:		
A. 26,000 lbs. capacity single reduction with driver controlled main locking differential.		
B. Axle switch shall be LED back-lighted.		
C. An automatic disengage feature shall be supplied to disengage the locking mechanism after the vehicle reaches a speed of 25 mph.		
D. Factory installed synthetic gear lube and magnetic drain plug shall be installed.		
E. Axle ratio shall enable vehicle to cruise at 65 mph at maximum G.V.W.R.		
REAR SUSPENSION:		
A. 31,000 lbs. capacity vari-rate rear springs.		
B. Include 4,500 lbs. capacity multi-leaf auxiliary springs.		
BRAKES:		
A. Brake pedal and valve shall be firewall suspended.		
B. ABS anti-lock air brakes.		
C. Diagnostic electronic capability shall inform operator and the mechanic of any malfunctions including area of system failure.		
D. Meritor air dryer system saver 1200 with heater and DV-2 moisture ejector on the wet tank or approved equivalent.		
E. "S" cam type on front and rear shoes.		
F. 13.2 cubic foot gear driven air compressor with dual air supply gauges.		
G. Air pressure gauges shall be located in the instrument cluster.		
H. Automatic slack adjusters.		
I. Air tanks shall be aluminum and painted black.		
J. All air lines shall be color coded.		
K. Dust shields shall be provided on front and rear brakes.		
L. Parking brake alarm shall be provided. Horn shall sound when parking brake is not set with ignition off and any door opened.		
STEERING:		
A. Full hydraulic power steering.		
B. Steering column shall be tilt style.		
C. Steering wheel shall include the following switches: <ul style="list-style-type: none"> • Electric horn. • Air horn. • Cruise/throttle on/ off switch. • Cruise set/resume switch. 		
EXHAUST SYSTEM:		
A. Horizontal diesel particulate filter shall be located outside frame rail and		

under cab floor.		
B. Exhaust pipe shall be vertically mounted on a bracket and attached to the frame rail.		
C. 90° curved exhaust pipe and heat shield shall be supplied.		
ELECTRICAL:		
A. Programmable electrical system with self-diagnostics. System shall be designed to isolate electrical problems on the input/output side of circuit and display fault codes. Color coded and continuously numbered wiring shall be supplied.		
B. All electronically controlled accessory equipment shall be interfaced to a Body Integrated Remote Power Module mounted inside cab; up to 6 outputs and 6 inputs, maximum 20 amps per channel, maximum 80 amps for each required module. (Include 1 dash-mounted switch pack with 6 switches latched or momentary/labeled and back-lighted) with this system including but not limited to switches, controls and indicators. Anticipated provisions shall be communicated to the chassis manufacture prior to chassis build.		
C. All circuits shall be protected by manual reset circuit breakers or fuses shall be mounted in the OEM central power distribution panel.		
D. A pre-trip inspection to test exterior light functions shall be supplied that shall enable the operator to test the exterior lights (body lights, parking lights, headlights low& high beam, right/left/rear turn lights, brake lights, and warning rotator lights) by means of a button located in the cab.		
E. Three (3) 12-volt 1950 CCA maintenance free batteries. Batteries shall be mounted on a steel (powder coated black) box with aluminum (not painted) cover.		
F. AM/FM radio with weather band, clock, and speakers.		
G. Turn signal switch shall include “flash to pass” feature.		
H. Daytime running lights, fender mounted dual faced amber/amber directional lights in addition to front corner directional shall be provided.		
I. Taillights shall have a separate 8' of cable for left and right side body lights.		
J. Stop, turn, tail, and back-up lights shall be a Truck Lite model LED or approved equivalent.		
K. The following lights shall automatically turn on when wiper switch is engaged: <ul style="list-style-type: none"> • Headlights • Taillights • Marker lights 		
L. Five (5) LED cab marker lights shall be provided.		
M. Wipers shall have two (2) speeds with washer and intermittent feature. Wiper control shall force wipers to their slowest intermittent speed when parking brake is set and wipers are left on for more than 30 seconds.		
N. 165-amp Delco Remy 36SI brushless, pad mounted with remote voltage sensor or approved equivalent alternator.		
O. Gauges & Lights:		

<ul style="list-style-type: none"> • Oil pressure • Water temperature • Warning lights • Voltmeter • Speedometer • Tachometer • Odometer • Trip miles • Engine hours • Trip hours 		
P. Dual electric horns.		
Q. Dual single tone rectangular chrome air horns mounted on top of cab with snow shields.		
R. Back-up alarm shall be a Preco 1059 electronic, solid-state, dual function, 112 db or approved equivalent OEM installed and mounted under the right taillight. Shall be wired in a self-adjusting mode to automatically produce 10 decibels nominal above the surrounding noise.		
S. Body builder harness shall be located outside of cab. Included shall be stop, tail, turn, and marker light circuits, ignition controlled auxiliary feed, and ground.		
T. Chassis manufacture shall supply 2-way radio wiring with 20 amp fuse protection. Shall include 5 amp fuse and be routed to overhead radio console.		
U. A weatherproof module for body builder connections shall be located inside the cab.		
V. All switches must be back-lighted and (OEM) labeled.		
W. All electrical powered auxiliary equipment not installed by chassis manufacturer shall be wired in accordance with section A & B (ELECTRICAL) and include proper circuit protection. All wiring shall be installed in a weather tight junction box or weather pack connector. Solder-less connectors are unacceptable. Any holes drilled for installation of accessories, wiring, brackets, etc. shall be properly primed, painted and sealed with silicone prior to installation to prevent rust.		
X. In addition to the control switch, all lighting and accessories shall turn off with ignition key “off” except for Federal D.O.T. requirements.		
Y. It shall be the responsibility of the body supplier to ensure capability of installed equipment with switches provided by chassis manufacturer. The following switches shall be provided by the chassis manufacturer and will be incorporated in the chassis standard wiring and circuit protection: <ul style="list-style-type: none"> • Front rotators • Rear warning lights • Side warning lights • Rear alert annunciator NO EXCEPTIONS		
ENGINE:		
A. Electronic, 6-cylinder turbo-charged diesel engine.		

B. 310 Horsepower minimum @ 2000 rpm.		
C. 1050 lb. /ft. Torque minimum @ 1050 rpm.		
D. 570 Cubic inch displacement.		
E. Replaceable “wet type” cylinder piston liners. Oil cooled pistons.		
F. Positive valve rotators on both intake and exhaust valves.		
G. Heavy-duty starter with over crank protection.		
H. Cruise control integral with steering wheel.		
I. Provision for remote mounted engine control to include wiring for body builder installation of PTO controls, ignition switch controlled.		
J. Heavy-duty radiator with two (2) speed air operated fan drive.		
K. Ethylene Propylene Diene Monomer (EPDM) hoses or approved equivalent.		
L. Constant torque heat shrink radiator clamps.		
M. 120-volt engine block heater with weather protected flip plug cover shall be located under driver’s door.		
N. Extended long life coolant protected to at least -40° F. The system shall be tagged indicating make, type of anti-freeze and degree of protection.		
O. Low coolant level warning light and audible alarm.		
P. Automatic engine shutdown system for oil pressure, coolant temperature, and coolant level with a 30 second delay and auto override.		
Q. Heated fuel/water separator.		
R. Integrated fuel pressure sensor.		
S. All engine and emission related system fluids shall remain as a stable liquid unaided within the normal expected vehicle ambient temperature operating range of -20° F to 100° F.		
T. Oil pan: an extended life coated oil pan consisting of metal/plastic/metal construction shall be provided. The material shall be a single sheet composite with two (2) layers of sheet metal sandwiching plastic material. The triple composite shall have an electro-deposition prime coat with powder coating for the final finished coat. Written certification is required.		
TRANSMISSION:		
A. Allison 3000 RDS or approved equivalent.		
B. Five (5) forward speeds automatic with dash mounted push button control.		
C. Included shall be a transmission oil cooler and temperature gauge.		
D. Synthetic transmission fluid shall be used and installed by OEM.		
E. Furnished PTO provision and dash mounted temperature gauge.		
F. Chassis manufacturer installed PTO accommodation for electric cover hydraulic PTO with dash mounted, back-lighted switch and indicator light in gauge cluster. Shall have wiring incorporated and over-speed protection programmed within the OEM electrical system.		
G. TCM (Transmission Control Module) shall be located inside cab.		
FUEL TANK:		
A. 50-gallon minimum capacity aluminum fuel tank mounted under cab and shall include stainless steel straps.		
B. Thermostat controlled electric fuel heater and filter with filter		

restriction/change indicator.		
C. Fuel tank shall be labeled in 1" high green letters "DIESEL FUEL ONLY" .		
D. Vent tube for fuel tank shall be attached to a bracket via zip-tie.		
FRONT TIRES & WHEELS:		
A. Two (2) Goodyear or approved equivalent 12R22.5, 16 ply highway tread radials.		
B. Hub piloted black powder coat paint 8.25" steel disc wheels.		
REAR TIRES & WHEELS:		
A. Four (4) Goodyear or approved equivalent 12R22.5, 16 ply highway tread radials.		
B. Hub piloted black powder coat paint 8.25" disc wheels.		
C. Rear plain black mud flaps (No Advertisements).		
SPARE TIRES:		
A. One (1) spare tire 12R 22.5, 16 ply highway tread radial mounted and balanced onto a hub piloted black powder coat paint 8.25" disc wheel. Supply one (1) spare tire for each truck listed in this bid package.		
CAB:		
A. Conventional galvanized steel cab.		
B. Hood shall be a 3-piece design with stationary bright finished grille.		
C. Odometer shall display miles, trip miles, engine hours, trip hours, and engine/vehicle system codes.		
D. Included shall be cab rear air bag suspension.		
E. All glass shall be tinted.		
F. Body builder "knockout" shall be provided in cab floor for body builder connections.		
G. Full width vinyl bench seat with fixed back.		
H. Seatbelts: two (2) 3-point shoulder belts for driver and outer passenger and one (1) 2-point lap belt for center passenger.		
I. Overhead console with radio pocket wired as described in Paragraph T of ELECTRICAL Section.		
J. Included shall be front storage pockets.		
K. Dome light, left and right interior courtesy lights shall be mounted on door pockets. Lights shall activate when doors are opened.		
L. Dual sun visors.		
M. In-dash cup holder.		
N. Driver's door storage pocket.		
O. Interior grab handles on both sides.		
P. Chrome exterior grab handle with rubber insert-drivers side of cab.		
Q. Exterior mirrors shall be approximately 16" x 7" with break-away style "C" stainless steel brackets and convex mirrors. A look down 6" x 10" panoramic mirror shall be mounted above passenger door. Both primary mirrors shall be motorized and controlled by a switch located in cab within easy reach of the driver. Primary and convex mirrors shall be thermostatically heated.		

R. HVAC system shall include heater/defroster/air conditioning. Air conditioning system shall have self-diagnostic features with dash displayed fault codes.		
S. Standard instrumentation packages shall be included with plug in type gauges.		
T. Hood wheel well rubber fender extensions shall not be acceptable.		
MISCELLANEOUS:		
A. Provide and install in cab a dry chemical 5 lb. "UL" listed fire extinguisher suitable for ABC class fires. A quick-release type metal bracket shall be used to mount extinguisher. Location shall be near driver's side door (beside seat, if possible) with handle facing rear.		
B. Provide a D.O.T. approved reflective triangle kit in cab.		
PAINT:		
A. All metal parts shall have the mill scale and oil removed by means of a high-pressure chemical cleaner prior to painting.		
B. All frame and running gear shall be painted manufacturers black.		
C. The top of the hood shall be painted non-reflective flat black.		
D. The other sections of the cab shall be painted with DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent. Paint shall be applied in a two-step process with the orange base coat and additional polyurethane overcoat.		
E. Wheels, bumper, battery box (not battery cover), frame, and engine oil pan shall be powder coat painted.		
F. All aluminum and stainless steel shall be left its natural color.		
DIAGNOSTIC, REPAIR & PARTS:		
A. Diagnostic and repair information for transmission, air-brake system, and other installed components shall be Web-based or PC based software.		
B. Three (3) complete sets of factory diagnostic and repair vehicle interface software, to include all necessary cabling and connections for a laptop computer or a hand held device shall be supplied.		
MANUALS:		
A. Detailed schematic and description of all electrical and other components not installed by chassis manufacturer shall be provided. Three (3) of each of the following manuals in either paper form or computer disc shall be supplied upon delivery: Operation, Repair, Maintenance, Parts, and Electrical.		
WARRANTY:		
A. Engine: shall be covered for five (5) years/150,000 miles/5400 hours including all electronic engine components and injectors at 100% parts and labor.		
B. Cab shall be covered for five (5) years unlimited miles for perforation, corrosion, and structure.		
C. Frame shall be covered at 100% parts and labor for seven (7) years/unlimited miles for cracks.		
D. Transmission shall be covered for five (5) years/unlimited mileage at 100% parts and labor.		

**SPECIFICATIONS: RB-2014
18'5" RACK BODY AND ACCESSORIES**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

	COMPLY	
	YES	NO
GENERAL:		
A. Heavy-duty 18'5" rack body and accessories.		
B. The rack body shall be mounted onto the chassis designated in this specification (CC-2014).		
DIMENSIONS:		
A. The rack body shall be sized to the chassis with the following approximate dimensions: <ul style="list-style-type: none"> • Overall Length: 18'5" • Overall Width: 96" • Inside Length: 18' • Height of Racks: 42" • Inside Width: 89" 		
FLOOR CONSTRUCTION:		
A. Floor shall be constructed of 1 1/8" minimum oak wood flooring.		
CROSS MEMBERS:		
A. 4" grade 50 structural steel on 12" centers.		
LONG RAILS:		
A. 7" structural channel, low-mounted and gusseted to every other cross member.		
RACKS:		
A. Racks shall not be less than 42" corrugated steel with interlocking hardware.		
B. An automatic hold down latch shall be provided on the rear of the truck.		
STAKE POCKETS:		
A. Reinforced stake pockets on 24" centers with pocket sized to fit nominal 2" x 4".		

BULKHEAD:		
A. The bulkhead shall be fabricated from 3/16" steel with gussets on front and underbody to tie into side rail for reinforcement.		
B. The bulkhead and floor line inside the body shall be at a 90° angle for side loading.		
C. A window (an integral part of the bulkhead with water jet cut holes) approximately 16" x 30" located to accommodate the chassis cab window.		
D. Bulkhead shall be sized to protrude 2" higher than cab.		
E. The bulkhead shall be one piece and must withstand wind resistance.		
STAKE RACKS:		
A. The side and rear stake rack sections shall consist of five (5) formed steel slats measuring 1/8" x 1"x 5" approximately 48" long.		
B. The overall height shall be 40".		
C. Slats shall be formed for added strength and shall be welded to the vertical posts.		
D. The vertical posts shall be 4" channel x 1.73 lbs./ft.		
E. The rear and one (1) stake rack section on each side shall be hinged and swing outward for easy access to the body.		
F. Each shall be hinged from a permanently mounted post.		
G. Rack sections shall have sliding posts to allow the rack to be swung open and closed without lifting the section upward but rather sliding the post upward and out of the pocket.		
H. Each swing out section shall need a retainer to keep them in the open and or closed position.		
I. Clips and hinges used to secure the sections together shall be steel.		
J. A locking mechanism shall be provided to secure each stake rack section in the stake pocket.		
LIGHTBAR STANCHION:		
A. See Specification: LBS-2014		
ROTATOR LIGHTS:		
A. See Specification: RL-2014		
REAR WARNING LIGHTS:		
A. See Specification: RAWLP.		
SIDE WARNING LIGHTS:		
A. Two (2) Whelen 192" Amber LED Dominator, Mode DP8 with a two- piece extrusion housing warning light module or approved equivalent shall be nut and bolt mounted to 1/4" steel tabs welded to under body cross members, one the left and one on the right underside of the bodies deck length with a 3" set back and shall display a front to back sequential chase pattern.		
B. All electrical powered auxiliary equipment not installed by chassis manufacturer shall be wired in accordance with section A & B (ELECTRICAL) and include proper circuit protection. All wiring shall be installed in a weather tight junction box or weather pack connector. Solder-less connectors are unacceptable. Any holes drilled for installation of accessories, wiring, brackets, etc. shall be properly primed, painted and sealed with silicone prior to		

installation to prevent rust.		
C. The wiring for each side warning light assembly shall have a weather proof connector and the harness shall be routed to and terminate in a weather proof frame mounted junction box. (As stated in the SPECIFICATIONS: FMJB)		
D. The wiring from the junction box shall be routed along the inside of the rack body frame, and interfaced with the OEM integrated remote power module mounted inside the cab.		
E. A latched “Side Amber Warning Lights” switch shall be incorporated with the chassis multiplexed switch panel and shall include the following features: <ul style="list-style-type: none"> • Shall be back-lit labeled: AUX WARN. • Shall have a green “On” indicator light. • Must be depressed to operate. 		
F. The Side Amber Warning Light system shall also include the following features: <ul style="list-style-type: none"> • All system wiring shall be multiplex interfaced. • All system functional features shall be controlled by programmable ladder logic. • A circuit failure within the rear amber warning light system layout shall flash the amber on indicator in the Rear Flasher switch. 		
DOT REGULATION COMPLIANCE:		
A. As per DOT regulations, side and rear marker requirements shall be installed in the appropriate locations, illumination shall be LED type.		
B. Marker system lighting shall also include the following features: <ul style="list-style-type: none"> • All system wiring shall be multiplexed interfaced. • All system functional features shall be controlled by programmable ladder logic. 		
ELECTRICAL WIRING:		
A. All electrically powered auxiliary equipment not installed by chassis manufacturer shall be wired in accordance with Section A & B (ELECTRICAL) and include proper circuit protection. All wiring shall be routed in a secure manner, protected from incidental impact, heat, or vibration damage. All harness/wire connections shall be contained in a weather tight junction box or weather pack connector. Whenever holes are drilled for the purpose of harness/wire routing they shall be primed, painted, and a grommet shall be utilized and sealed with silicone to prevent vibration damage and water intrusion.		
SPLASHGUARDS & MUD FLAPS:		
A. The platform body shall be equipped with a splashguard in the front of the rear tires and a mud flap at the rear.		
B. The splashguard shall be steel construction same as the body and the mud flaps shall be flexible black vinyl or rubber construction suspended from the body.		
C. The mud flaps shall be centered directly behind the wheels and be equipped with an anti-sail brace.		

RUST PROOFING:		
A. The entire cab chassis shall be undercoated and rust proofed before installing all of the body components.		
B. The complete under side of the body shall be undercoated.		
C. Ziebart formula "A" Black, Super Extra Black, and Super Extra Clear or approved equivalent in appropriate areas.		
D. Warranty certificate from issuing dealer shall be provided at time of delivery.		
E. Warranty certificate shall be original copy. NO EXCEPTIONS		
PAINT:		
C. Finish paint shall be DuPont Dulux Omaha Orange Enamel # 93-082 or approved equivalent.		

**SPECIFICATIONS: LBS-2014
LIGHT BAR STANCHION**

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

LIGHT BAR STANCHION:	COMPLY YES NO	
<p>A. Two (2) rotor light stanchion mounting bracket shall be fabricated as follows:</p> <ul style="list-style-type: none"> Bracket base shall be a minimum of 6" x ¼" rolled steel plate cold pressed to conform to the outside of the chassis frame in an inverted "L" shape, the base shall have two (2) 21/32" holes drilled in the vertical portion at evenly space intervals to match exiting chassis manufacturers holes. The bracket upright shall be a minimum of 7" x 4" x ¼" rolled steel plate welded vertically and centered to the bracket base, the upright shall have three (3) 17/32" holes drilled in an evenly spaced triangular pattern to facilitate stanchion mounting. 		
<p>B. The rotor light stanchion mounting bracket assembly shall be cleaned, primed and shall have a black powder coat finish.</p>		
<p>C. Each rotor light stanchion base shall be mounted to the chassis frame through existing chassis manufacturer holes between the rear of the cab and the front of the stake body, using two (2) ⅝" grade 8 bolts, two (2) steel flat washers, and two (2) grade 8 nylon locking nuts.</p>		
<p>D. The rotor light stanchion structure shall be weld fabricated as follows:</p> <ul style="list-style-type: none"> Two (2) vertical upright posts shall be a minimum of 4" x 2" 10-gauge roll formed stainless steel C-channel set vertically (overall rotor light assembly shall be higher than the cab roof/bulkhead and hydraulic tailgate). Two (2) minimum of 3" x 1½" 10-gauge roll formed stainless steel C-channel cross braces shall be angularly weld mounted from left to right between the upright posts. 		

E. A minimum of a 2" x 3/16" capped stainless steel tube crossbar shall be weld mounted and gusseted with a minimum of 3" x 1½" 10-gauge roll formed stainless steel C-channel weld mounted between crossbar and channel uprights. The crossbar shall be approximately 9½' wide but shall not be wider than the exterior mirrors.		
F. The crossbar shall have a minimum of 3/16" round stainless steel rotor light mounting plates at each end. The diameter of each plate shall be at least ¼" larger than the diameter of the rotor light base. The plates shall be weld mounted horizontally at the outer most edge without exceeding the width of the crossbar.		
G. Two (2) 12" long sections of ½" o.d. stainless steel tubing shall be weld mounted and evenly spaced along the crossbar and two (2) 12" long sections of ½" o.d. stainless steel tubing shall be weld mounted and evenly spaced along the left side vertical stanchion upright to facilitate rotator light wire routing.		
H. The rotor light stanchion shall be mounted to the rotor light stanchion mounting bracket using six (6) ½" grade 8 bolts, six (6) steel flat washers, and six (6) grade 8 nylon locking nuts.		
I. The rotor light stanchion assembly shall not interfere or have contact with the cab or the stake body and shall provide adequate strength with a minimum amount of vibration transference to the rotor lights.		

SPECIFICATIONS: RL-2014
ROTATOR LIGHTS

BIDDER'S INSTRUCTIONS

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ROTATOR LIGHTS:	COMPLY	
	YES	NO
A. Class I ECCO Roto LED Beacon Model # 7660 rotator warning lights or approved equivalent.		
B. A latched "Rotator Light " switch shall be incorporated with the chassis multiplexed switch panel and shall include the following features: <ul style="list-style-type: none"> • Shall be back-lit labeled: LIGHT BAR . • Shall have a green "On" indicator light. • Must be depressed to operate. 		
C. The Rotator Light system shall also include the following features: <ul style="list-style-type: none"> • All system wiring shall be multiplex interfaced. • All system functional features shall be controlled by programmable ladder logic. • A circuit failure within the rear amber warning light system layout shall flash the amber on indicator in the Rear Flasher switch. 		
D. All wiring shall be type "SO" cord and sized to sufficiently handle current demands of all lighting.		
E. The harness wiring shall be securely mounted and routed to prevent damage, originate in the cab at the multiplex interface and terminate at each rotator light with a weatherproof socket connector. No other splicing or connections shall be acceptable.		

SPECIFICATIONS: 7PTC

7-POLE ROUND PIN TRAILER CONNECTORS ON TRUCKS AND TRAILERS

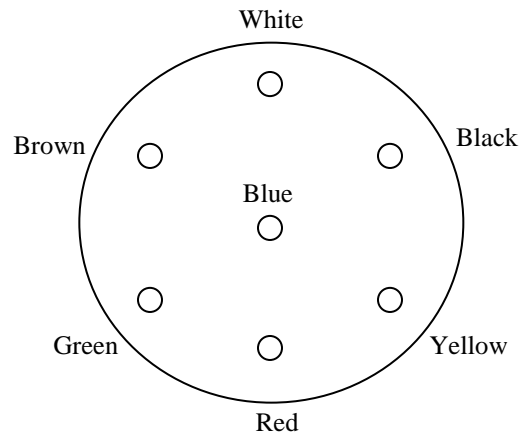
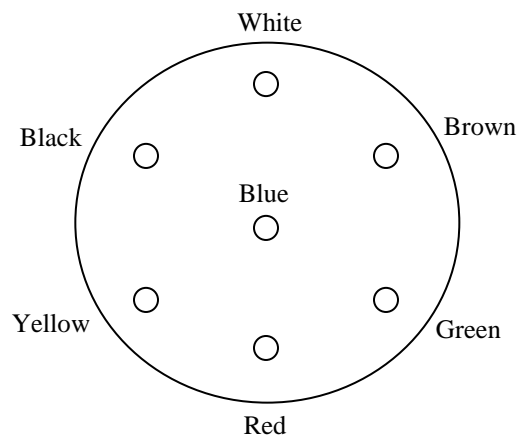
CONNECTOR MARKING COLOR

APPLICATION

WHITE.....	GROUND
BLACK.....	TAIL LIGHT
BROWN.....	TAIL LIGHT
YELLOW.....	LEFT TURN SIGNAL
GREEN.....	RIGHT TURN SIGNAL
RED.....	ELECTRIC BRAKE
BLUE.....	12-VOLT BATTERY- WITH 30-AMP AUTOMATIC BIMETAL THERMAL RESET CIRCUIT PROTECTION.

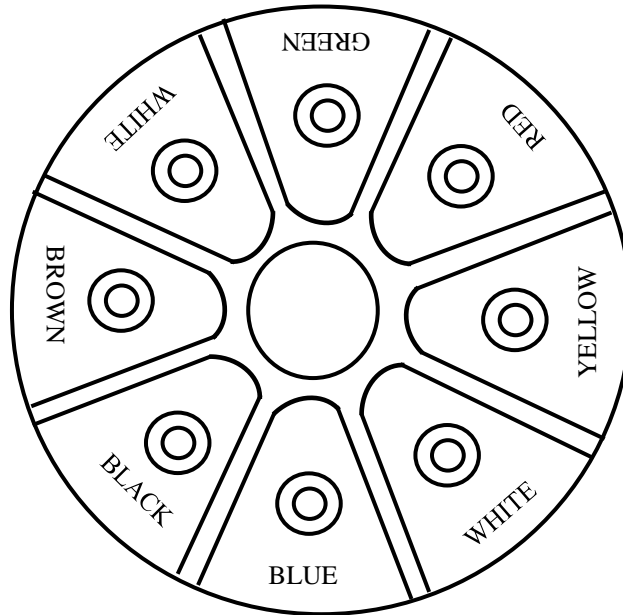
SOCKET MARKINGS

PLUG MARKINGS



SPECIFICATIONS: FMJB

FRAME MOUNTED JUNCTION BOX



CONNECTOR MARKING	COLOR APPLICATION
WHITE	GROUND
BLACK	SIDE WARNING LIGHTS
BROWN	TAIL LIGHT
YELLOW	LEFT TURN SIGNAL
GREEN	RIGHT TURN SIGNAL
RED	WARNING LIGHT (1)
BLUE	WARNING LIGHT (2)

SPECIFICATIONS: R-RMMB

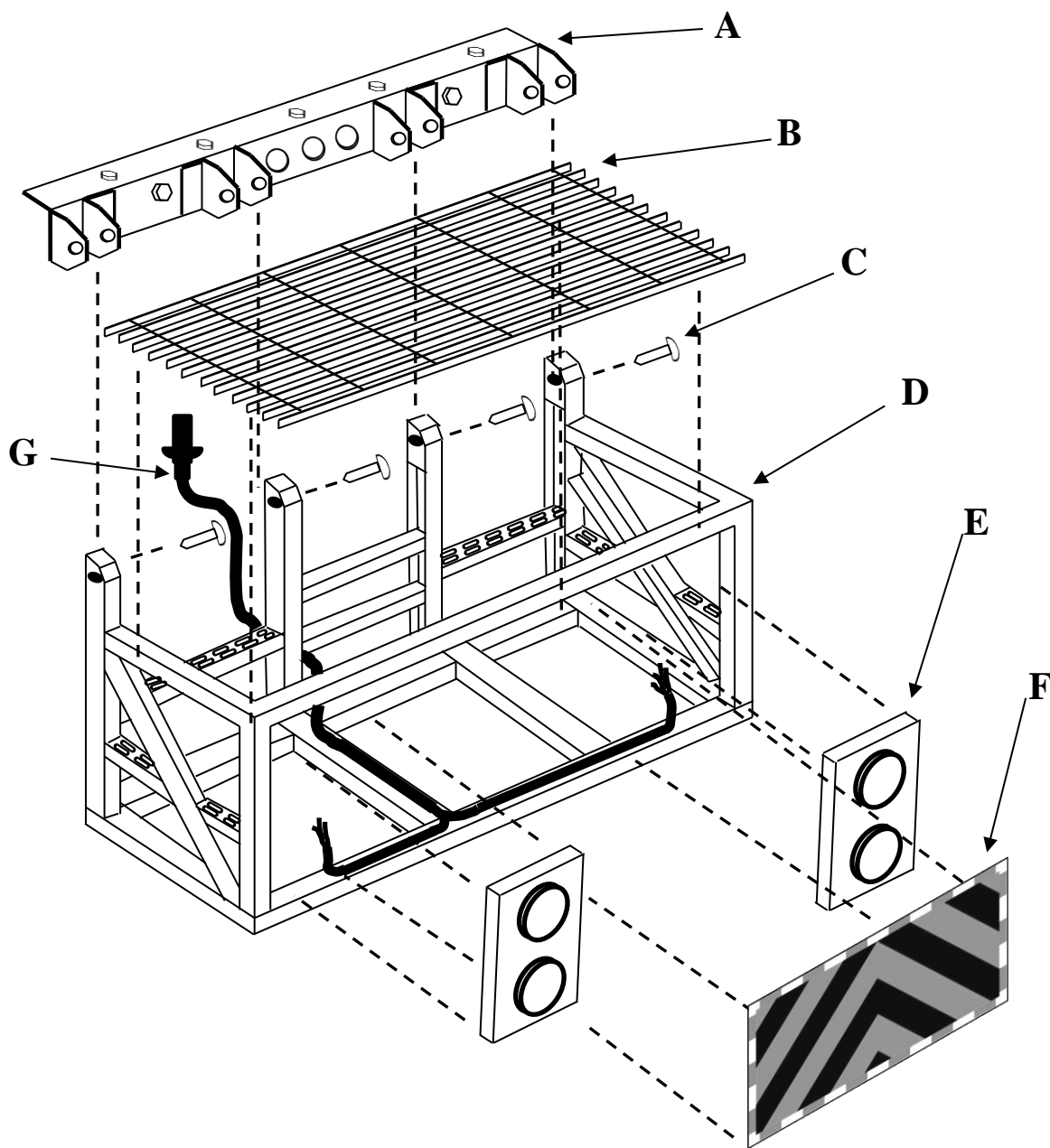
REMOVABLE-REAR MOUNTED MAN BASKET

BIDDER'S INSTRUCTIONS

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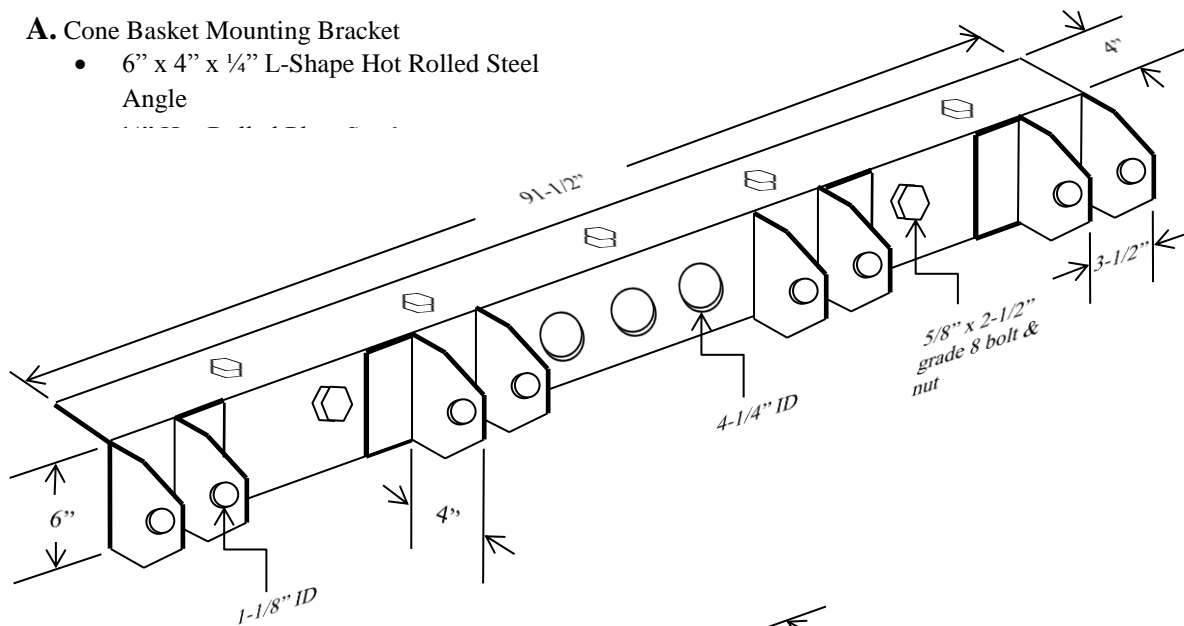
GENERAL:	COMPLY	
	YES	NO
A. The man basket assembly shall be capable of supporting 2,000 lbs. of operational load and durable in an automotive application experiencing vibration and jolt and also withstand repeated removal and reinstallation.		
B. All welding shall be of industry standard quality and type appropriate for this application and operational requirements.		
C. All welds shall be continuous, all areas exposed to human interaction such as hand rails, grab rails, step rungs, mounting brackets and climbing areas shall be smooth and free of sharp edges.		
D. The entire rear man basket assembly, mounting and warning light post assembly shall be prepared for painting, all welding spatter and slag shall be removed, pretreatment shall include chemical and/or abrasive cleaning as required by the powder coat product.		
E. The entire rear man basket assembly, mounting and warning light post assembly shall be thermoset acrylic powder coated Omaha Orange or approved equivalent.		
REAR TAILLIGHTS AND WARNING LIGHTS:		
A. Two (2) Grote amber LED, Model 55993 or approved equivalent shall be mounted in each lower section of the cone basket warning and taillight housing. Shall provide an alternating pattern synchronized with the amber warning light posts criss-cross pattern.		
B. Two (2) Grote red LED, Model 53422 or approved equivalent shall be mounted in each upper section of the cone basket warning and taillight housing. Shall provide stop, turn and taillight functionality as regulated in FMVSS/108		

standard.		
C. One (1) Truck Lite white LED, Model 36042C or approved equivalent shall be mounted on the upper right section of the stripe plate next to the right tail light, centered over predrilled license plate mounting holes and wired to the right tail light marker circuit.		
D. All electrical powered auxiliary equipment not installed by chassis manufacturer shall be wired in accordance with section A & B (ELECTRICAL) and include proper circuit protection. All wiring shall be installed in a weather tight junction box or weather pack connector. Solder-less connectors are unacceptable. Any holes drilled for installation of accessories, wiring, brackets, etc. shall be properly primed, painted and sealed with silicone prior to installation to prevent rust.		
E. Each light head shall have weather proof connectors between the light head and the routing cable.		
F. The wiring for each light head shall be routed through a seven conductor cable to a common weather proof junction box mounted to the left rear facing side of the man basket debris guard.		
G. The wiring from the man basket debris guard junction box shall be routed through a seven conductor cable to a Cole Hersee 12081 or approved equivalent 7-pole round pin weather proof trailer plug.		
H. The 7-pole round pin trailer plug shall plug into a Cole Hersee 12310 or approved equivalent 7-pole round pin weather proof trailer socket, the socket shall be bracket mounted to the underside of the rack body.		
I. The wiring from the 7-pole round pin trailer socket shall terminate in a weather proof frame mounted junction box. (As stated in the SPECIFICATIONS: FMJB)		
J. The wiring from the junction box shall be routed along the inside of the rack body frame, and interfaced with the OEM integrated remote power module mounted inside the cab.		



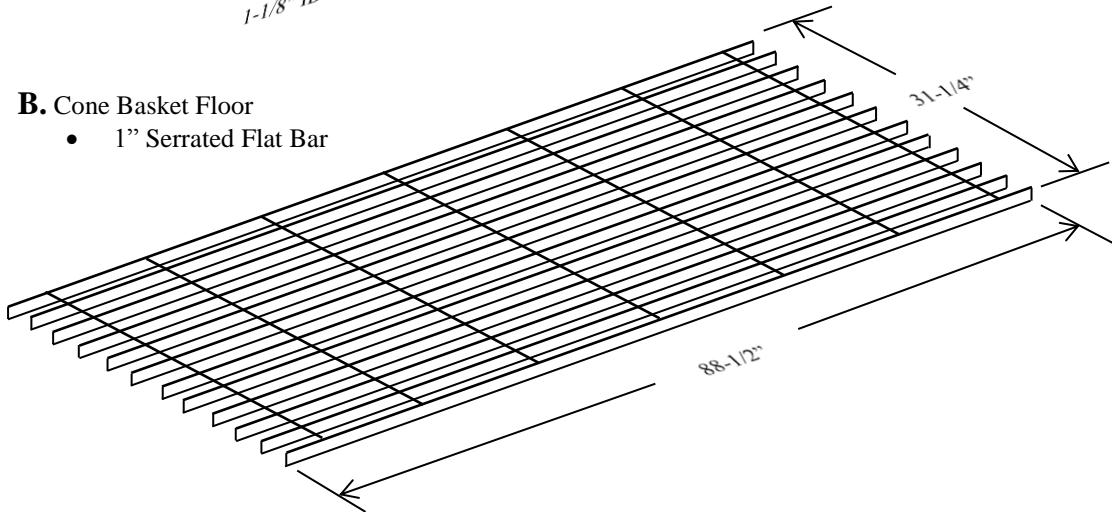
A. Cone Basket Mounting Bracket

- 6" x 4" x 1/4" L-Shape Hot Rolled Steel Angle



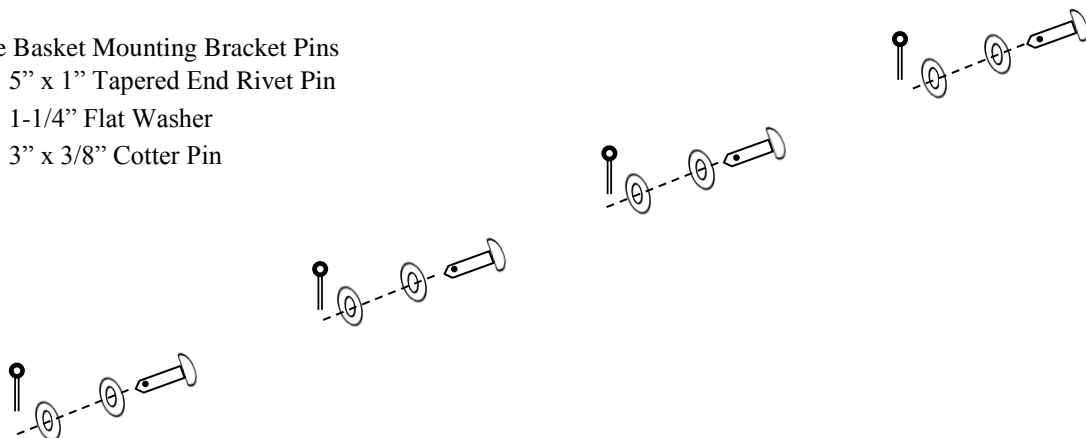
B. Cone Basket Floor

- 1" Serrated Flat Bar



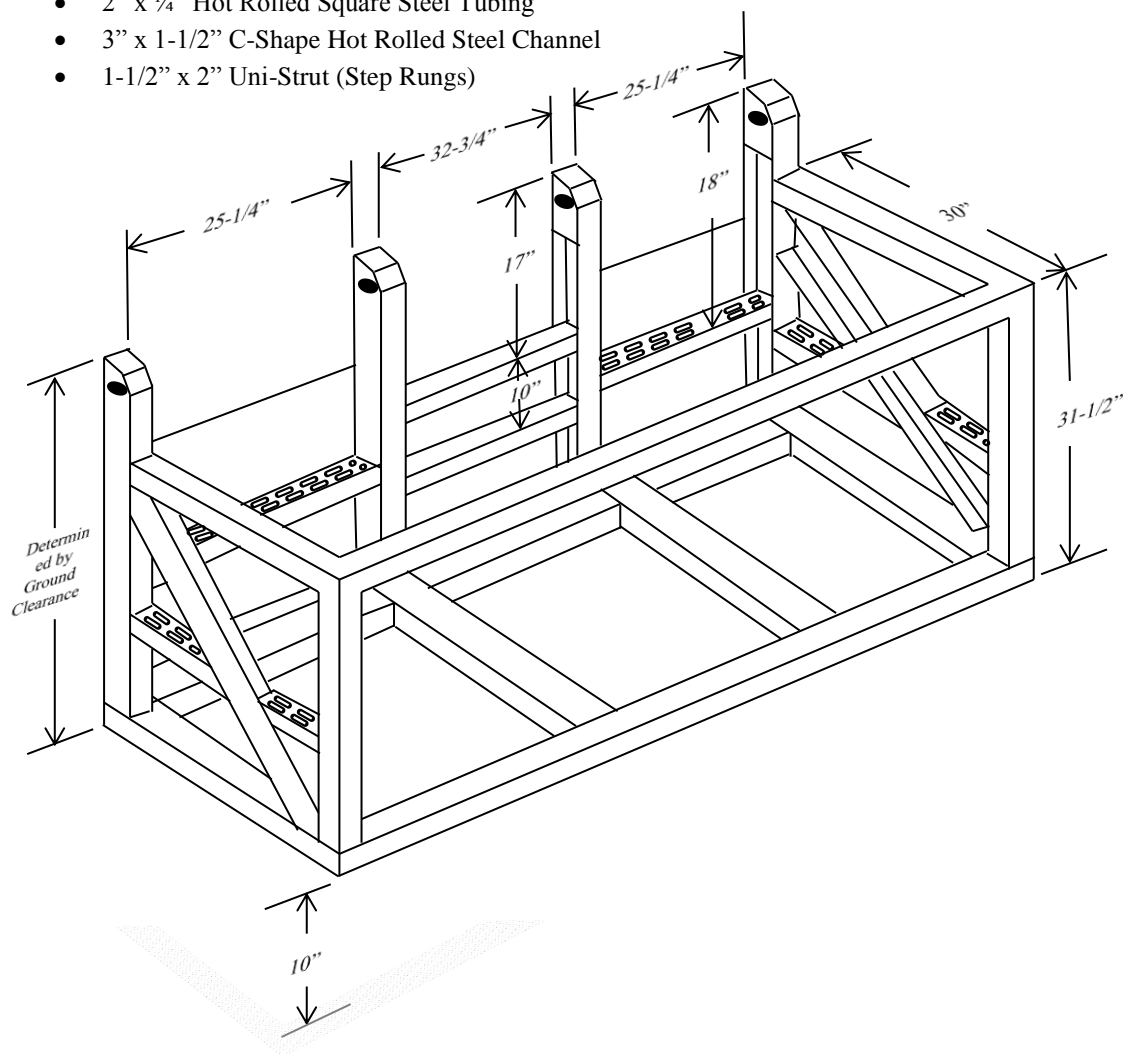
C. Cone Basket Mounting Bracket Pins

- 5" x 1" Tapered End Rivet Pin
- 1-1/4" Flat Washer
- 3" x 3/8" Cotter Pin



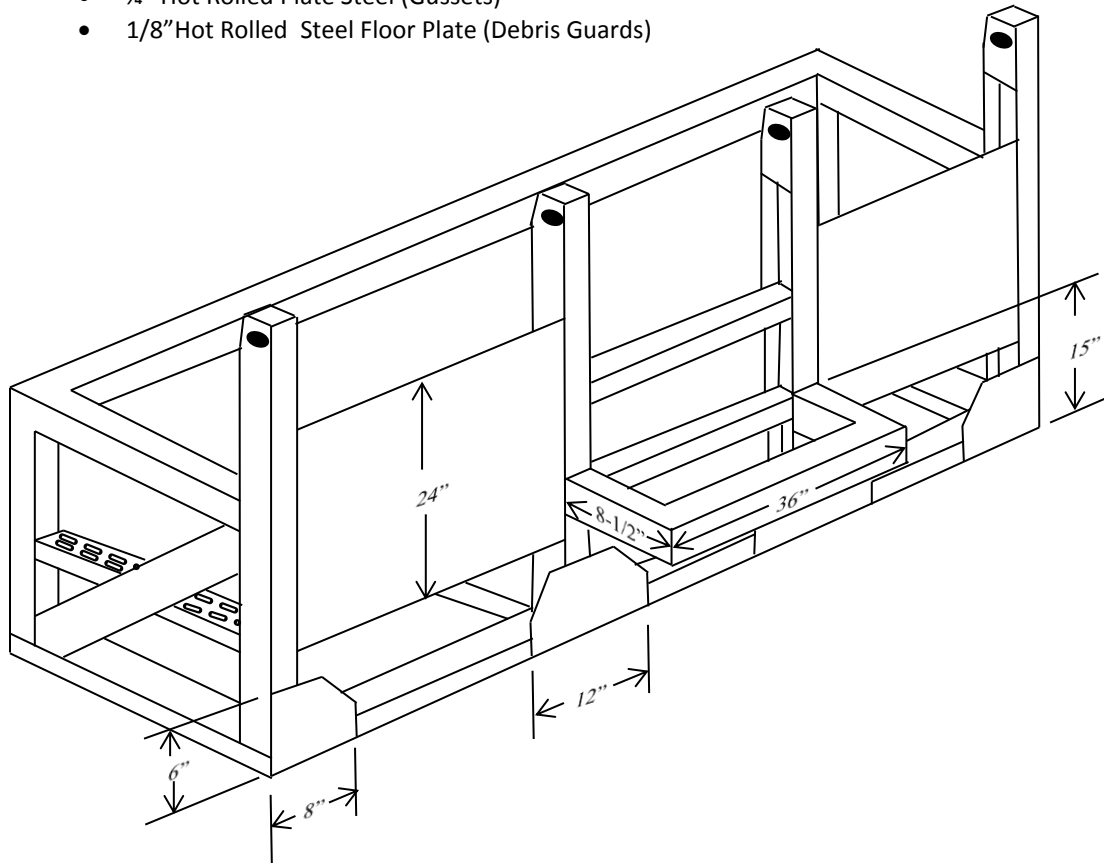
D. Cone Basket (Rear Facing Side)

- 2" x 1/4" Hot Rolled Square Steel Tubing
- 3" x 1-1/2" C-Shape Hot Rolled Steel Channel
- 1-1/2" x 2" Uni-Strut (Step Rungs)



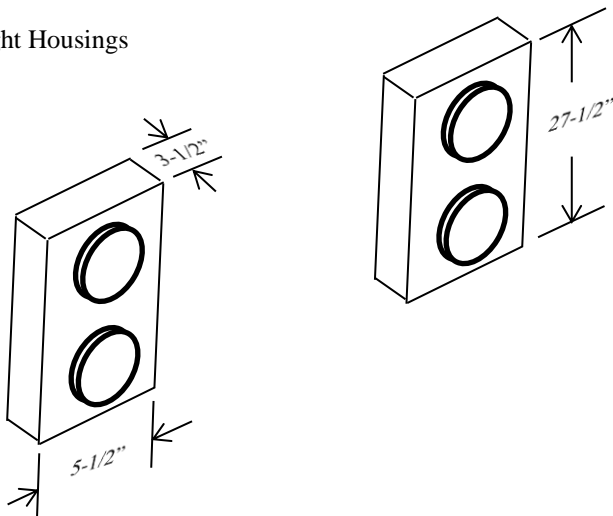
D. Cone Basket (Forward Facing Side)

- 3" x 1-1/2" C-Shape Hot Rolled Channel Steel
- 1/4" Hot Rolled Plate Steel (Gussets)
- 1/8" Hot Rolled Steel Floor Plate (Debris Guards)



E. Cone Basket Warning and Taillight Housings

- 1/8" Hot Rolled Steel Plate

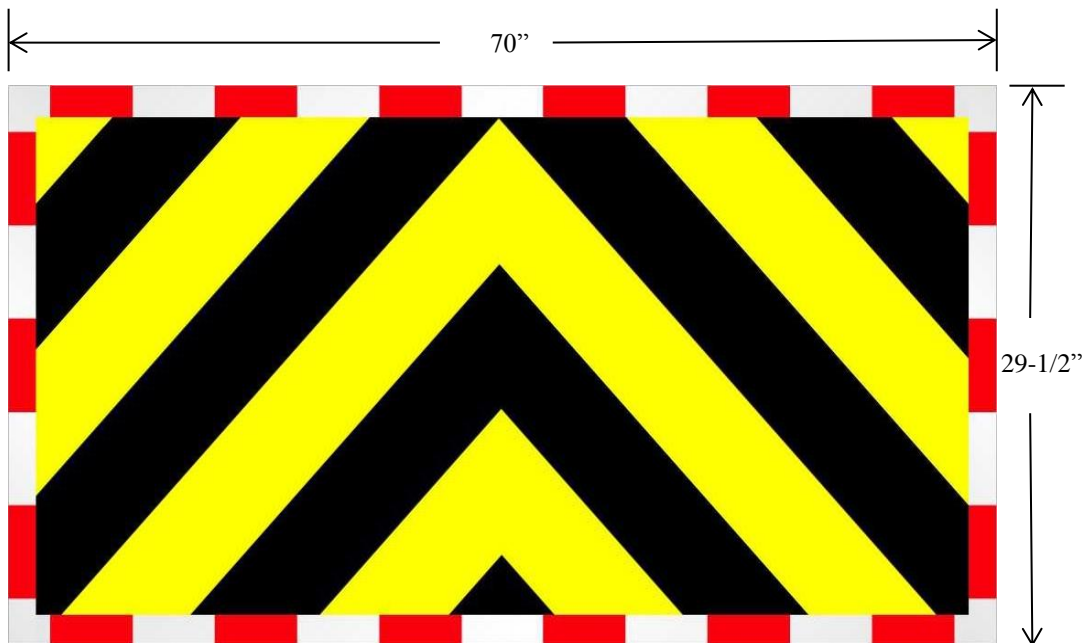


SPECIFICATIONS: STRIPE PLATE, CONE TRUCK

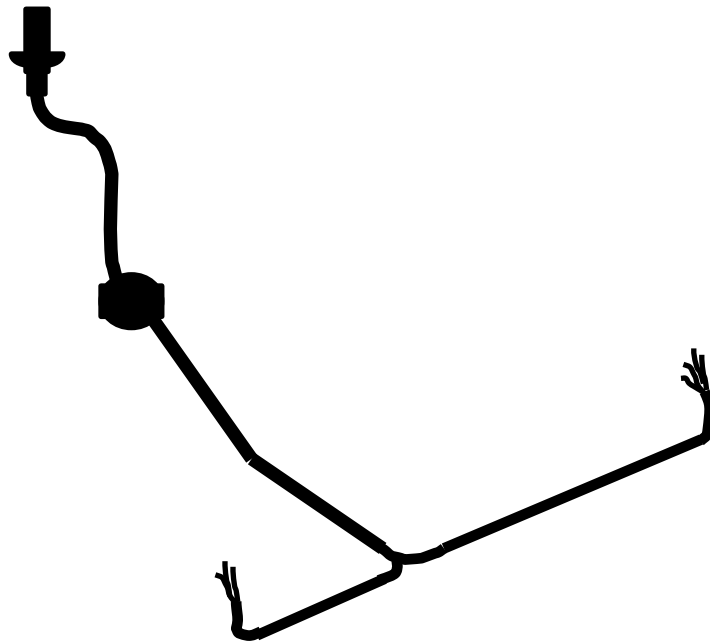
1. All stripes will be six (6) inches wide, forty-five (45) degrees from vertical.
 - a. The yellow stripes shall be Diamond Grade Fluorescent Yellow VIP Reflective Sheeting-3981, pressure sensitive or approved equivalent.
 - b. The black stripes shall be Scotchcal 3650-12, pressure sensitive or approved equivalent.
2. There shall be a Diamond Grade Conspicuity Marking 981-326, Red 6", White 6" both 2" high, surrounding the top, bottom, and both sides of the stripes, pressure sensitive.
3. A striping plate of $\frac{1}{8}$ " aluminum shall be used and shall be striped and riveted ($\frac{1}{4}$ " diameter rivets) to tailgate. (Dimensions below are approximate).
4. The entire rear of the truck body shall be fully covered without covering any lights or accessories. Exact size of stripe plate shall be determined by contacting the NJTA Inspector prior to fabrication and mounting.
5. All materials shall be manufactured and applied as approved by the manufacturer.

F. Cone Basket Stripe Plate

- $\frac{1}{8}$ " Aluminum Plate



- G. Cone Basket Wiring Harness**
- Seven (7) pole round pin trailer plug
 - Seven (7) conductor trailer cable



CONNECTOR MARKING	COLOR	APPLICATION
WHITE	_____	GROUND
BLACK	_____	NOT USED
BROWN	_____	TAIL LIGHT
YELLOW	_____	LEFT TURN SIGNAL
GREEN	_____	RIGHT TURN SIGNAL
RED	_____	WARNING LIGHT (1)
BLUE	_____	WARNING LIGHT (2)

SPECIFICATIONS: RAWLP

REAR AMBER WARNING LIGHT POSTS

BIDDER'S INSTRUCTIONS

IT SHALL BE THE BIDDER'S RESPONSIBILITY TO CAREFULLY EXAMINE EACH ITEM OF THE SPECIFICATION. BIDDERS MUST INDICATE WHETHER THEY COMPLY OR NON-COMPLY FOR EACH LINE ITEM IN THE SPECIFICATION. FAILURE TO PROVIDE A COMPLETED BID MAY CAUSE REJECTION OF BID. ALL NON-COMPLY RESPONSES AND/OR BIDDERS PROPOSED "APPROVED EQUIVALENTS" MUST BE FULLY EXPLAINED ON EXCEPTION FORM, NOTING SECTION AND ITEM. FAILURE TO EXPLAIN NON-COMPLY RESPONSES OR FAILURE TO SUPPLY DETAILED LITERATURE/BROCHURES ON THE BIDDERS PROPOSED "APPROVED EQUIVALENTS" MAY CAUSE REJECTION OF BID. WHERE "MINIMUM/MAXIMUM" IS SPECIFIED, BIDDERS MUST PROPOSE AT LEAST THE MINIMUM/MAXIMUM SIZES OR THE BID MAY BE REJECTED.

GENERAL:	COMPLY	
	YES	NO
A. Two (2) rear facing amber warning light posts shall be mounted at the left and right rear most outer corners of the stake body.		
B. Each post shall be fabricated using 2" x 2" x 1/4" steel square tube.		
C. Each post shall be 64" maximum length, but shall not exceed the height of the rotor lights when mounted on the truck; the tops shall be capped by a continuously welded piece of 1/4" steel plate, edges are to be ground smooth.		
D. Each post shall have a 1/4" thick, 2 1/4" x 4" x 3/4" angle plate centered and continuously welded to the post bottom as illustrated. The post shall be gusseted to the bottom plate at the front and rear facing sides.		
E. The post base assembly shall be continuously welded to the circumference deck frame without interfering with the rack section installation or removal.		
F. Clevis pin connections (John Deere # 230044-WNL) or approved equivalent shall be horizontally welded to the inside facing section of each post at a height that will pass through a predrilled, reinforced hole in the upper most rack cross member. The post shall be drilled the exact outside diameter of the clevis pin and the pin shall be inserted into the drilled hole prior to being continuous welded.		
G. The clevis pin shall extend through the rack cross member allowing no more than 1/4" play when pinned in place.		
H. All welds are to be continuous, tack welds are not acceptable.		
I. A removable 1 1/4" x 1/8" square tube, safety cross bar shall span and attach to the inside of each warning light post at a height just above the side rack sections.		
J. The safety cross bar shall be mounted in a three sided mount, fabricated from three pieces of 1 1/2" x 1 1/2" x 1/4" steel plate, continuously welded on all sides of		

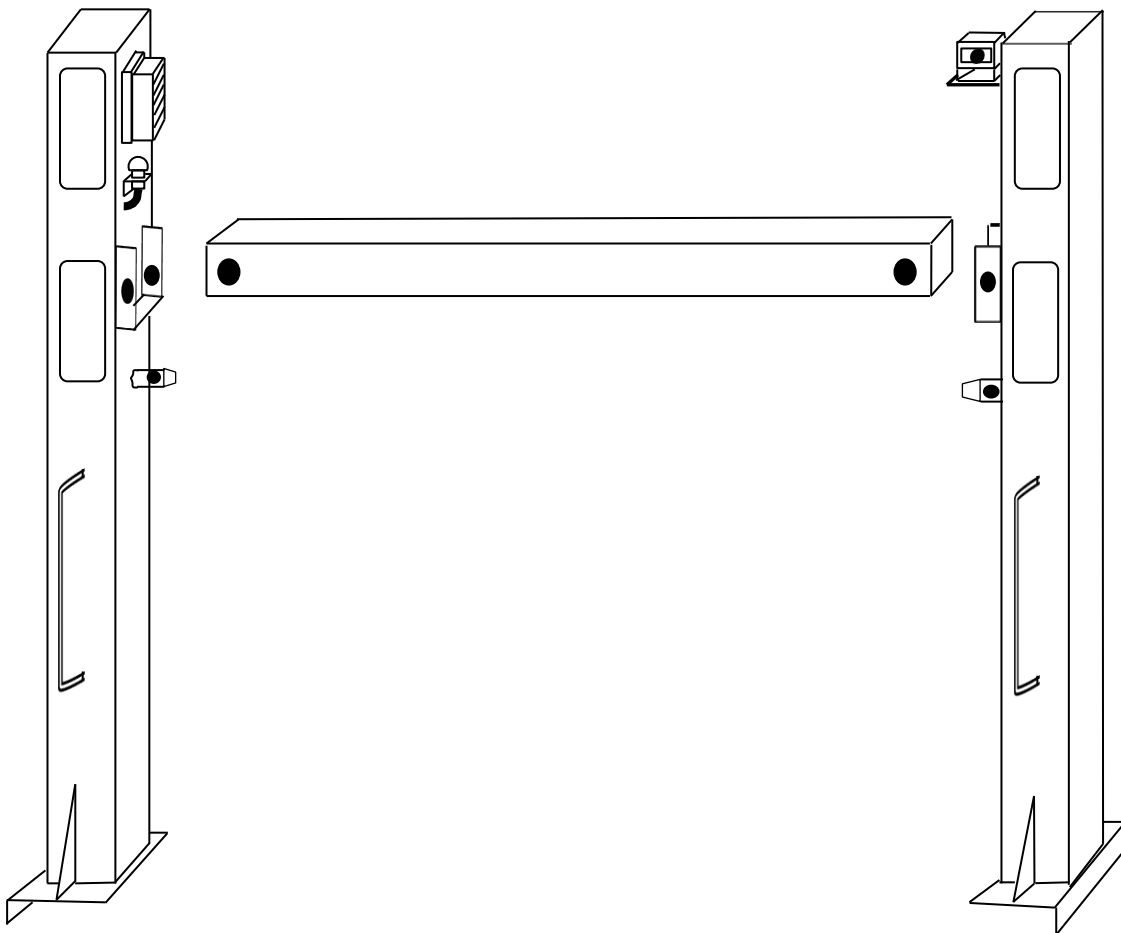
the plate, one mount on each post. The mount shall not interfere with side rack section installation or removal.		
K. The safety cross bar shall be secured in the mountings with a ½" x 3" stainless steel bolt inserted through a pilot hole drilled through each mount and safety cross bar end; each bolt shall be secured with a stainless steel nylon lock nut.		
L. Grab handles shall be placed on each post, rear facing side. Using ¾" steel bar, each handle shall be form in a rectangular C-shape, 4" deep by 12" long, vertically weld mounted with the lower handle edge 17" above the deck.		
REAR WARNING LIGHTS:		
A. Two (2) Whelen Amber LED, 500 Series lights, Model 01-0664003-AO or approved equivalent shall be mounted to each post as described above. Whelen model 5BRUSH aluminum guard or approved equivalent shall be mounted with each light head to protect from impact damage. The set of four (4) lights, two (2) on each post, shall provide a criss-cross pattern (left top to right bottom and right top to left bottom).		
B. All electrical powered auxiliary equipment not installed by chassis manufacturer shall be wired in accordance with section A & B (ELECTRICAL) and include proper circuit protection. All wiring shall be installed in a weather tight junction box or weather pack connector. Solder-less connectors are unacceptable. Any holes drilled for installation of accessories, wiring, brackets, etc. shall be properly primed, painted and sealed with silicone prior to installation to prevent rust.		
C. Two (2) amber warning lights shall be evenly spaced within the uppermost rear facing 21" on each post; guard protected and surface mounted.		
D. The wiring for each light head shall be contained inside each post, exiting the bottom of each post through the steel deck frame and terminate in a weather proof frame mounted junction box. (As stated in the SPECIFICATIONS: FMJB)		
E. The wiring from the junction box shall be routed along the inside of the rack body frame, and interfaced with the OEM integrated remote power module mounted inside the cab.		
F. A latched "Rear Amber Warning Lights" switch shall be incorporated with the chassis multiplexed switch panel and shall include the following features: <ul style="list-style-type: none"> • Shall be back-lit labeled: Rear Flasher. • Shall have a green "On" indicator light. • Must be depressed to operate. 		
G. The Rear Amber Warning Light system shall also include the following features: <ul style="list-style-type: none"> • All system wiring shall be multiplex interfaced. • All system functional features shall be controlled by programmable ladder logic. • A circuit failure within the rear amber warning light system layout shall flash the amber on indicator in the Rear Flasher switch. 		
DRIVER ALERT BUZZER:		

A. A Cole Hersee model M-626-02 or approved equivalent weather proof momentary push button switch shall be bracket mounted on the inward facing side of the left rear amber warning light post above the safety cross bar.		
B. All electrical powered auxiliary equipment not installed by chassis manufacturer shall be wired in accordance with section A & B (ELECTRICAL) and include proper circuit protection. All wiring shall be installed in a weather tight junction box or weather pack connector. Solder-less connectors are unacceptable. Any holes drilled for installation of accessories, wiring, brackets, etc. shall be properly primed, painted and sealed with silicone prior to installation to prevent rust.		
C. The wiring for the switch shall be contained inside the post, exiting the bottom of the post through the steel deck frame, routed along the inside of the rack body frame, and interfaced with the OEM integrated remote power module mounted inside the cab.		
D. A dash cluster audible alarm shall include the following features: <ul style="list-style-type: none"> • Steady sound when the driver alert switch is depressed. 		
E. A single "Rear Alert" annunciator shall be incorporated with the chassis multiplexed switch panel and shall include the following features: <ul style="list-style-type: none"> • Amber in color when illuminated. • Back-lit labeled: REAR ALERT. • Illuminate steady when the driver alert switch is depressed. 		
DRIVER OBSERVANCE CAMERA:		
A. An ECCO model K7000Q or approved equivalent LCD color camera system shall be installed.		
B. The camera head adjustable bracket shall be weld mounted on the inward facing side of the upper most portion of the right rear amber warning light post to be focused on the entire man basket area.		
C. The monitor shall be bracket mounted to the dash, to the left of the steering wheel.		
D. The cable routing from the camera head to the monitor shall be contained inside the post, exiting the bottom of the post through the steel deck frame, routed along the inside of the rack body frame, entering the cab through an existing OEM punch out, routed under the rubber floor mat and behind the dash, exiting through the dash behind the monitor and terminating at the monitor mounted on the dash.		
E. All required power supplies shall be independently protected by manual reset circuit breaker or fuse and shall be mounted in the OEM central power distribution panel in an available auxiliary cavity; fuse taps are not acceptable. Power supply shall turn on/off with the ignition key.		
DRIVER COMMUNICATION INTERCOM:		
A. A Brigade model BCVI or approved equivalent vehicle intercom system shall be installed.		
B. Two-way communication slave control shall be mounted to a plate welded to the inward facing side of the left rear amber warning light post above the safety cross bar.		

C. Two-way communication master with volume control shall be bracket mounted to the dash, to the right of the steering wheel.		
D. The cable routing from the communication slave to the communication master with volume control shall be contained inside the post, exiting the bottom of the post through the steel deck frame, routed along the inside of the rack body frame, entering the cab through an existing OEM punch out, routed under the rubber floor mat and behind the dash, exiting through the dash behind the communication master with volume control and terminating at the communication master with volume control on the dash.		
E. All required power supplies shall be independently protected by manual reset circuit breaker or fuse and shall be mounted in the OEM central power distribution panel in an available auxiliary cavity; fuse taps are not acceptable. Power supply shall turn on/off with the ignition key.		

Rear Amber Warning Light Posts:

- 2" x 1/4" Hot Rolled Square Steel Tubing
- 1/4" Hot Rolled Plate Steel
- 1-1/4 x 1/8" Hot Rolled Square Steel Tubing
- 3/4" Hot Rolled Round Bar



SERVICE PARTS IDENTIFICATION FORM

Preventative Maintenance Items:			
Private label part number identification shall not be acceptable. A common automotive industry recognizable identification capable of cross referencing with manufactures such as Fram, Hastings, Purolator, Wix, etc. shall only be accepted.			
	Required Amount	OEM Part #	After Market Part #
Engine Group:			
Primary Oil Filter			
Secondary Oil Filter			
Air Filter			
Other			
Primary Fuel Filter			
Secondary Fuel Filter			
Water/Fuel Separator			
Coolant Filter			
Other			
Ignition Group:			
Spark Plug			
Spark Plug Wires			
Other			
Other			
Emissions Group:			
PCV Valve			
Other			
Drive Train Group:			
Transmission Primary Filter			
Transmission Secondary Filter			
Axle Housing Breather			
Other			
Brake Group:			
Compressor Intake Filter			
Air Dryer Desiccant			
Power Take Off Group:			
Hydraulic Filter			
Breather Filter			
Other			
Miscellaneous:			
Left Windshield Wiper			
Right Windshield Wiper			
Rear Windshield Wiper			
Cab Ventilation Filter			

FAILURE TO COMPLETE ALL AREAS MAY RESULT IN REJECTION OF BID

UNIT INFORMATION FORM

CHASSIS:

YEAR:_____ MAKE:_____ MODEL:_____

ENGINE MAKE:_____

MODEL:_____ CID:_____ HP:_____ @ _____ RPM

ALTERNATOR MAKE:_____ MODEL:_____

AMPS:_____

BATTERY VOLTS/AMPS:_____

C.C.A. @ O° F:_____

TRANSMISSION MAKE:_____

MODEL:_____

BACK-UP ALARM MAKE:_____

SERVICING AGENCY:_____

LOCATED AT:_____

TELEPHONE #:_____

CONTACT:_____

Name & Title

RACK BODY:

DESCRIPTION:_____

YEAR:_____ MAKE:_____ MODEL:_____

INSTALLER:_____

SERVICING AGENCY:_____

LOCATED AT:_____

TELEPHONE #: _____

CONTACT: _____

Name & Title

ROTATOR LIGHTS:

YEAR: _____ MAKE: _____ MODEL: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

REAR WARNING LIGHTS:

YEAR: _____ MAKE: _____ MODEL: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

DRIVER OBSERVANCE CAMERA:

YEAR: _____ MAKE: _____ MODEL: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

DRIVER COMMUNICATION INTERCOM:

YEAR: _____ MAKE: _____ MODEL: _____

SERVICING AGENCY: _____

LOCATED AT: _____

TELEPHONE #: _____

CONTACT: _____

Name & Title

[illegible]

Date _____